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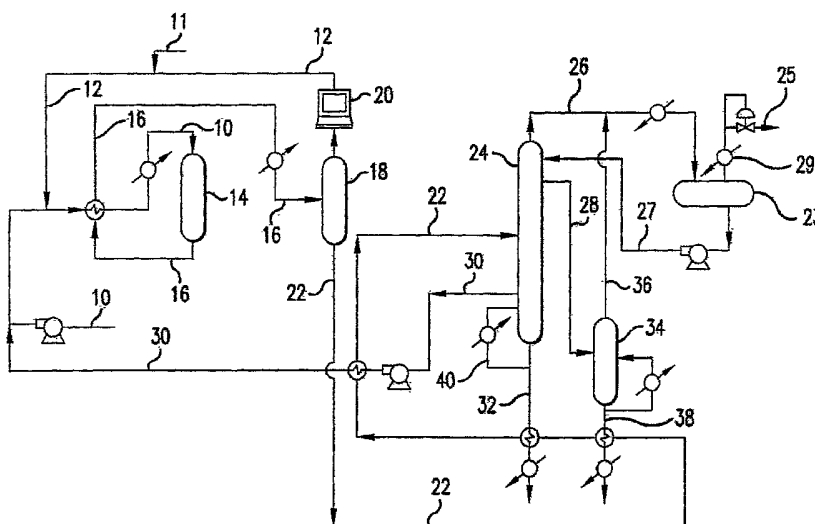
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ISOMERIZATION PROCESS



(57) Abstract: A process for the isomerization of a feedstream comprising C5-C6 hydrocarbons where the process involves charging hydrogen (11, 12) and a feedstream comprising at least normal C5-C6 hydrocarbons (10) into an isomerization zone (14) and contacting said hydrogen and feedstream with an isomerization catalyst at isomerization conditions to increase the branching of the feedstream hydrocarbons and produce an isomerization effluent stream (16) comprising at least normal pentane, normal hexane, methylbutane, dimethylbutane, and methylpentane has been discovered. Without passing through a stabilizer, the isomerization effluent stream is passed to a deisohexanizer zone (24) to generate at least a stream enriched in methylbutane and dimethylbutanes (28). The stream enriched in methylbutane and dimethylbutanes (28) is passed to an isomerase stripper column (34) to remove butane and lighter hydrocarbons and gasses. The remainder containing the methylbutane and dimethylbutanes is collected for use in, for example, gasoline blending.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: C07C 5/22(2006.01)

USPC: 585/738,734

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 585/738, 734

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3,755,144 A (ASSELIN) 28 August 1973 (28.08.1973), the entire patent	1-10

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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